

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 9501-73786	SERIAL NO. Unknown
	APPLICANT Wilbur H. Crawley et al.	
	FILING DATE November 13, 2003	GROUP Unknown

## U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
B5	AA	4,270,936	June 2, 1981	Mann	—	—	—
	AB	4,276,066	June 30, 1981	Bly et al.			
	AC	4,281,512	Aug. 4, 1981	Mills			
	AD	4,319,896	Mar. 16, 1982	Sweeney			
	AE	4,335,574	June 22, 1982	Sato et al.			
	AF	4,373,330	Feb. 15, 1983	Stark			
	AG	4,381,643	May 3, 1983	Stark			
	AH	4,481,767	Nov. 13, 1984	Stark			
	AI	4,520,624	June 4, 1985	Kiyota et al.			
	AJ	4,573,317	Mar. 4, 1986	Ludecke			
✓	AK	4,651,524	Mar. 24, 1987	Brighton	—	—	—

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
B5	AL	GB 2 134 407 A	Feb. 2, 1984	United Kingdom	—	—	—
	AM						
	AN						
	AO						
	AP						

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	
	AS	
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	AX	
	AY	
	AZ	

Examiner <b>BINH TRAN</b>	Date Considered <b>11/01/04</b>
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.  
Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS							
*Examiner Initial	Class	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
BT	BA	4,730,455	Mar. 15, 1988	Pischinger et al.	—	—	—
↓	BB	4,848,083	July 18, 1989	Goerlich	↓	↓	↓
	BC	4,851,015	July 25, 1989	Wagner et al.			
	BD	5,024,054	June 18, 1991	Barris et al.			
	BE	5,048,287	Sept. 17, 1991	Howe et al.			
	BF	5,063,737	Nov. 12, 1991	Lopez-Crevillen et al.			
	BG	5,065,574	Nov. 19, 1991	Bailey			
	BH	5,094,075	Mar. 10, 1992	Berendes			
	BI	5,140,814	Aug. 25, 1992	Kreutmair et al.			
	BJ	5,211,009	May 18, 1993	Houben et al.			
		BK	5,656,048	Aug. 12, 1997			

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
	BL						
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	BP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)	
BR	
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BZ	

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*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
BT	CA	6,063,150	May 16, 2000	Peter et al.	—	—	—
	CB	6,233,926	May 22, 2001	Bailey et al.			
	CC	5,365,733	Nov. 22, 1994	Takeshima et al.			
	CD	5,934,069	Aug. 10, 1999	Hertl et al.			
	CE	5,946,906	Sept. 7, 1999	Akazaki et al.			
	CF	6,012,284	Jan. 11, 2000	Tanaka et al.			
	CG	6,182,445	Feb. 6, 2001	Yamazaki et al.			
	CH	6,321,533	Nov. 27, 2001	Watanabe et al.			
	CI	6,327,852	Dec. 11, 2001	Hirose			
	CJ	6,334,306	Jan. 1, 2002	Mori et al.			
	CK	6,422,006	July 23, 2002	Ohmori et al.	—	—	—

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	CL						
	CM						
	CN						
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## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	CR	
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## U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
BH	DA	6,233,926 B1	May 2001	Bailey et al.	—	—	—
↓	DB	5,251,564	Oct. 1993	Rim et al.	—	—	—
	DC	4,840,028	June 1989	Kusuda et al.	—	—	—
	DD	5,974,791	Nov. 2, 1999	Hirota et al.	—	—	—
	DE						
	DF						
	DG						
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## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	DL						
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## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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	DY	
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BASED ON FORM PTO 1449



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18  
Stylesheet Version v18.0

Title of Invention	EXHAUST PROCESSOR						
Application Number: 10/713433							
Confirmation Number: 9641							
First Named Applicant: Wilbur H. Crawley							
Attorney Docket Number: 9501-73786							
Art Unit: 3748							
Search string: ( 4345431 or 4404798 or 4945722 or 5009065 or 5085049 ).pn.							
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
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<input checked="" type="checkbox"/>	1	4345431	1982-08-24	Suzuki et al.			
<input checked="" type="checkbox"/>	2	4404798	1983-09-20	Takagi et al.			
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<input checked="" type="checkbox"/>	5	5085049	1992-02-04	Rim et al.			

Signature

Examiner Name	Date
BINH TRAN	11/01/04



Sheet 1 of 1

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 9501-73786	SERIAL NO. 10/713,433
	APPLICANT Wilbur H. Crawley et al.	
	FILING DATE November 13, 2003	GROUP 3748

## U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
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## FOREIGN PATENT DOCUMENTS

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B5	✓	AL	DE 195 25 134 A1	Germany	—	—	
↓	✓	AM	0 502 826 A1	EPO	—	—	
↓	✓	AN	0 283 240 A2	EPO	—	—	
↓	✓	AO	57079210 (Abstract)	Japan	—	—	Yes
↓	✓	AP	0283240A3	EPO	—	—	

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

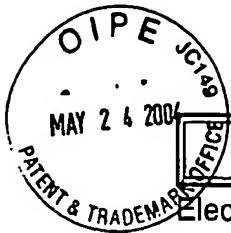
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Stylesheet Version v18.0

Title of Invention							
Exhaust Processor							
Application Number: 10/713433							
Confirmation Number: 9641							
First Named Applicant: Wilbur Crawley							
Attorney Docket Number: 9501-73786							
Art Unit: 3748							
Search string: ( 5685145 or 5711149 or 5983628 or 6314722 or 6318077 or 6347511 or 6357226 or 6568179 or 6571551 ),pn.							
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
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<input type="checkbox"/>	2	5711149	1998-01-27	Araki			
<input type="checkbox"/>	3	5983628	1999-11-16	Borroni-Bird et al.			
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<input type="checkbox"/>	5	6318077	2001-11-20	Claypole et al.			
<input type="checkbox"/>	6	6347511	2002-02-19	Haines			
<input type="checkbox"/>	7	6357226	2002-03-19	Borland			
<input type="checkbox"/>	8	6568179	2003-05-27	Deeba			
<input checked="" type="checkbox"/>	9	6571551	2003-06-03	Lundgren et al.			

Signature

Examiner Name	Date
BINH TRAN	11/01/04